



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

| | | |
|---|-----------|---|
| (51) International Patent Classification 7 : C12Q 1/68 | A1 | (11) International Publication Number: WO 00/23623 (43) International Publication Date: 27 April 2000 (27.04.00) |
| (21) International Application Number: PCT/US99/24148 (22) International Filing Date: 15 October 1999 (15.10.99) (30) Priority Data: 60/104,644 16 October 1998 (16.10.98) US 60/139,659 17 June 1999 (17.06.99) US (71) Applicant (for all designated States except US): UAB RESEARCH FOUNDATION [US/US]; The University of Alabama at Birmingham, 1120-G Administration Building, 701 South 20th Street, Birmingham, AL 35294-0111 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): KIMBERLY, Robert, P. [-/US]; 1900 University Boulevard, 429 THT, Birmingham, AL 35204-0006 (US). (74) Agents: COGEN, Ellen, S. et al.; Gifford, Krass, Groh, Sprinkle, Anderson & Citkowski, P.C., Suite 400, 280 N. Old Woodward Avenue, Birmingham, MI 48009-5394 (US). | | (81) Designated States: CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> |

(54) Title: POLYMORPHISM IN Fas PROMOTER AND Fas LIGAND PROMOTER**(57) Abstract**

The use of a single nucleotide polymorph in a Fas ligand or Fas promoter region to diagnose disease is disclosed. The correlation of single nucleotide polymorphs in either a Fas ligand or Fas promoter region is correlated to individual susceptibility to autoimmune diseases or non-lymphatic cancer.